

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. YOR920030110US1

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the patent application of Inventor(s):

JIRI NAVRATIL, GANESH N. RAMASWAMY, RAN D. ZILCA

For: **METHOD AND APPARATUS TO COMPENSATE FOR FUNDAMENTAL
FREQUENCY CHANGES AND ARTIFACTS AND REDUCE SENSITIVITY TO PITCH
INFORMATION IN A FRAME-BASED SPEECH PROCESSING SYSTEM**

Assignee Name: International Business Machines Corporation

Assignee Residence: Armonk, New York

Enclosed are also:

☒ 16 Pages of Specification including an Abstract
☒ 7 Pages of Claims (Claims 1 - 30)
☒ 3 Sheet(s) of formal drawings
☒ A Declaration and Power of Attorney
☒ Associate Power of Attorney
☒ Form PTO 1595 and assignment of the invention to IBM Corporation
☒ Information Disclosure Statement
☒ Form PTO 1449 and References AA - AB

CLAIMS AS FILED

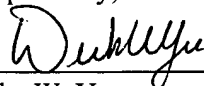
FOR	Number Filed		Number Extra		Rate		Basic Fee (\$750)
Total Claims	30	-20 =	10	X	\$ 18	=	\$180.00
Independent Claims	3	-3 =	0	X	\$ 84	=	\$ 0.00
Multiple Dependent Claims	0			X	\$280	=	\$ 0.00
Total Filing Fee							= \$930.00

☒ Please charge \$930.00 to IBM Corporation, Deposit Account No. 50-0510.

☒ The Commissioner is hereby authorized to charge payment of the following fees associated with the communication or credit any over payment to IBM Corporation, Deposit Account No. 50-0510. A duplicate copy of this sheet is enclosed.

☒ Any additional filing fees required under 37 CFR § 1.16.☒ Any patent application processing fees under 37 CFR § 1.17.

Respectfully,



Duke W. Yee

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CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" mailing label number EV322434585US. Date of deposit **June 23, 2003**. I hereby certify that the papers or fees listed below are being deposited with the United States Postal Service by "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Carrie Parker

Carrie Parker

ENCLOSED are the following documents, being sent by "Express Mail":

1. Transmittal Letter in duplicate;
2. Associate Power of Attorney;
3. Recordation;
4. Assignment (1);
5. Declaration and Power of Attorney (1);
6. Patent Application (16 pgs. spec. & abstract, 7 pgs. Claims 1 - 30);
7. 3 pages of formal drawings;
8. Information Disclosure Statement;
9. Form PTO 1449;
10. References AA-AB; and
11. Two return postcards.